

FIG. 1

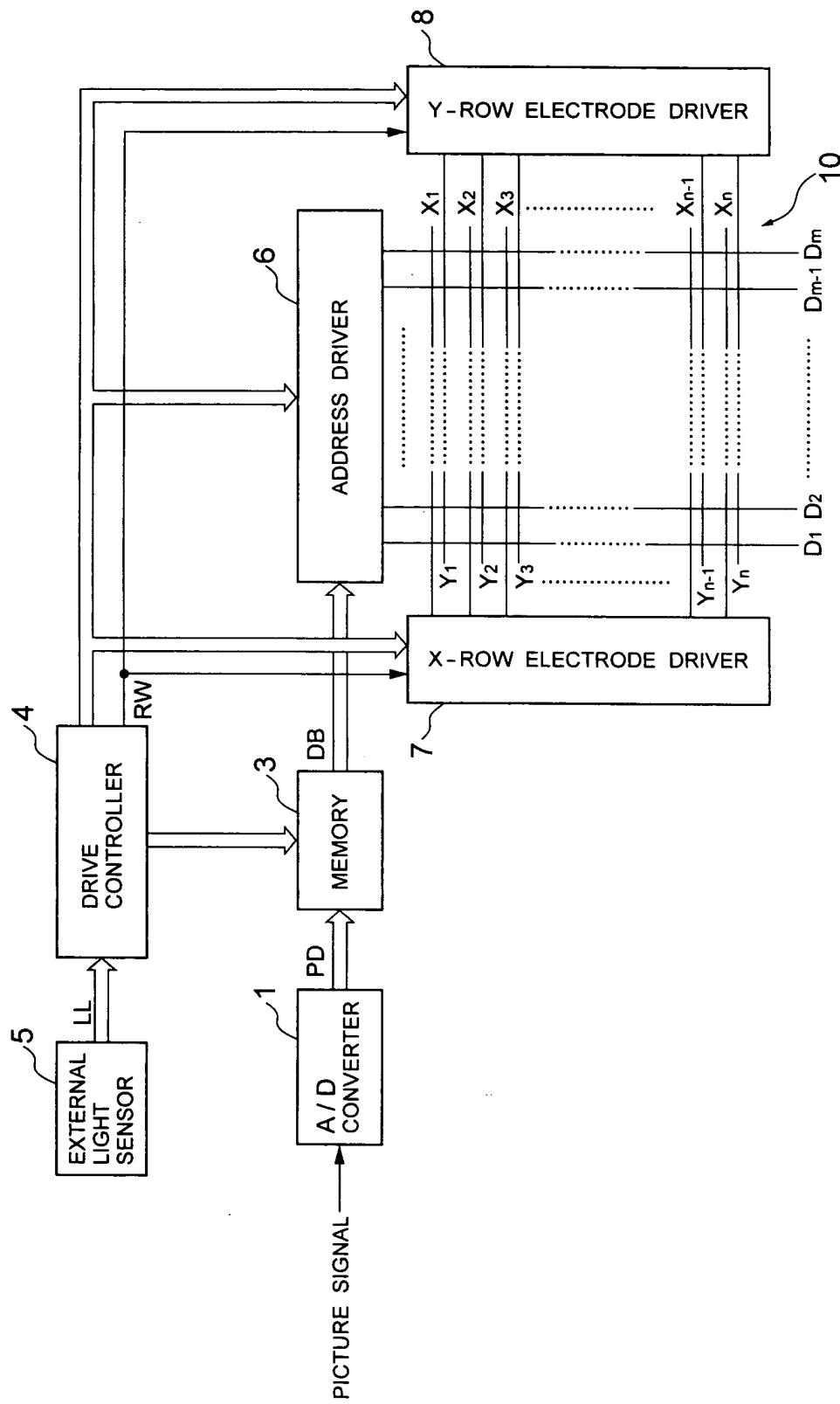


FIG. 2

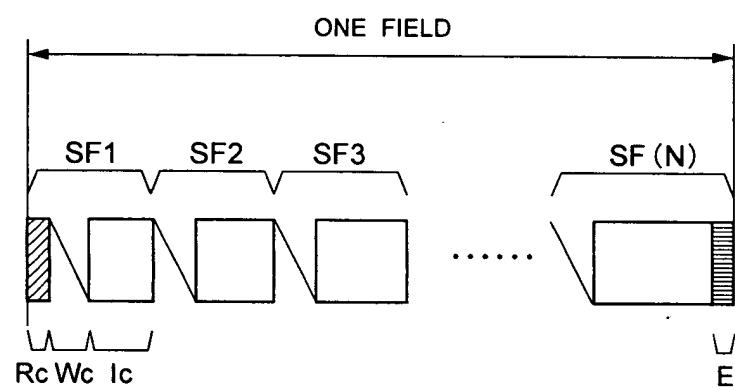
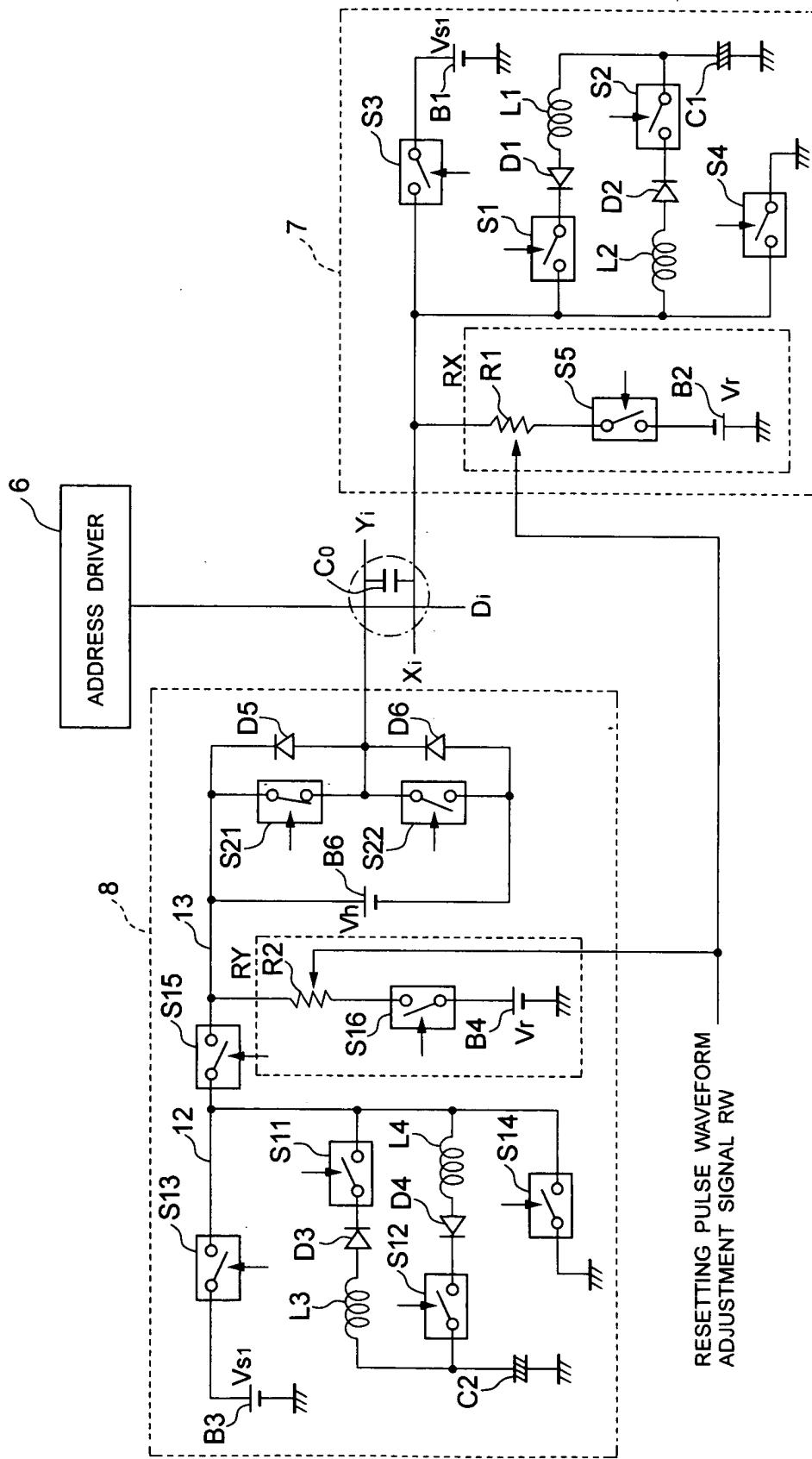


FIG. 3



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FIG. 4

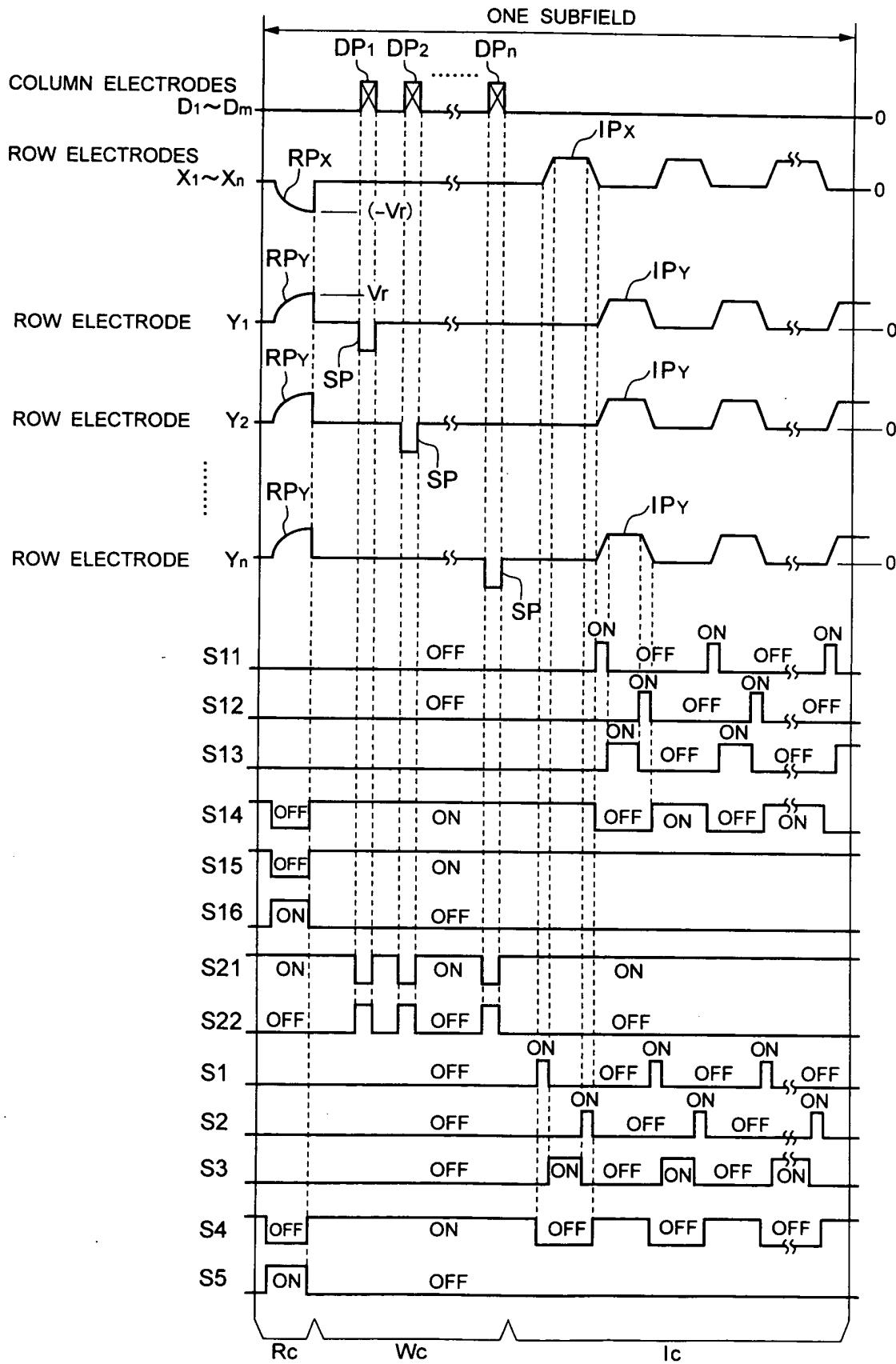


FIG. 5A

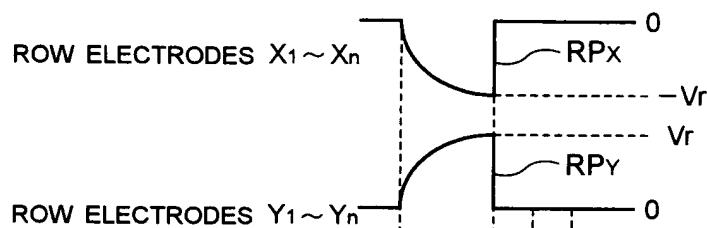


FIG. 5B

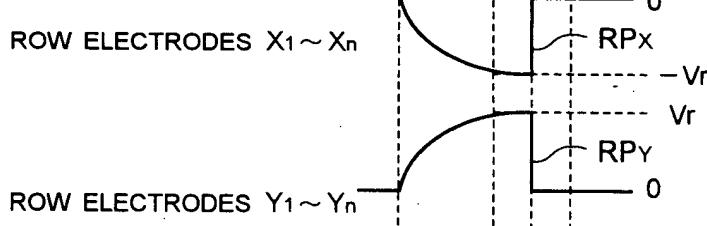


FIG. 5C

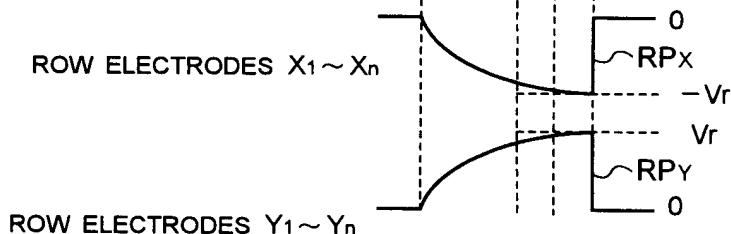


FIG. 6A

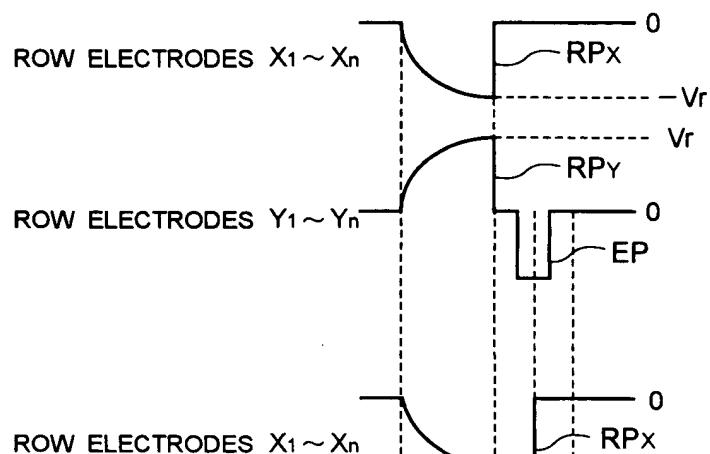


FIG. 6B

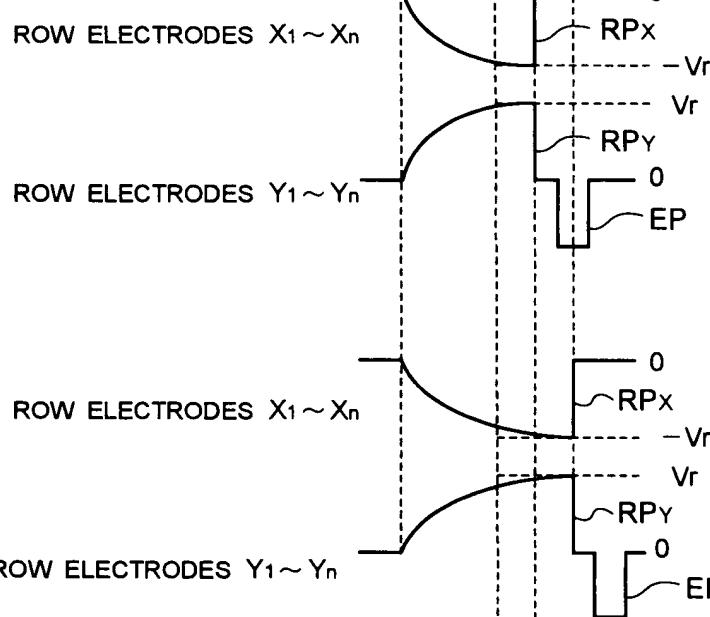


FIG. 6C

FIG. 7A

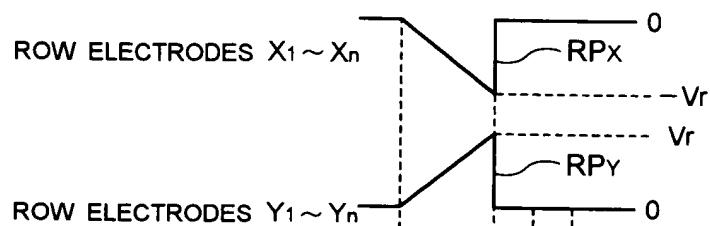


FIG. 7B

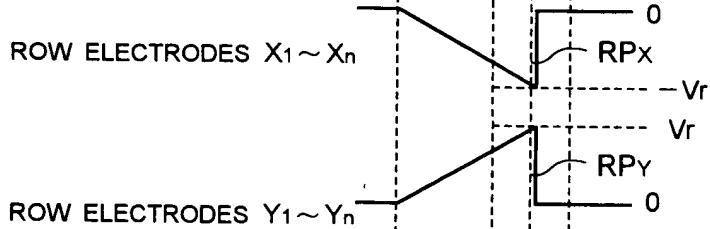


FIG. 7C

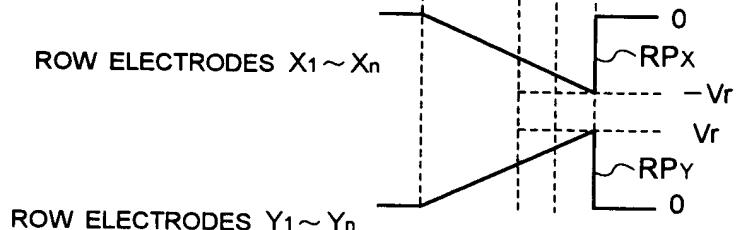


FIG. 8A

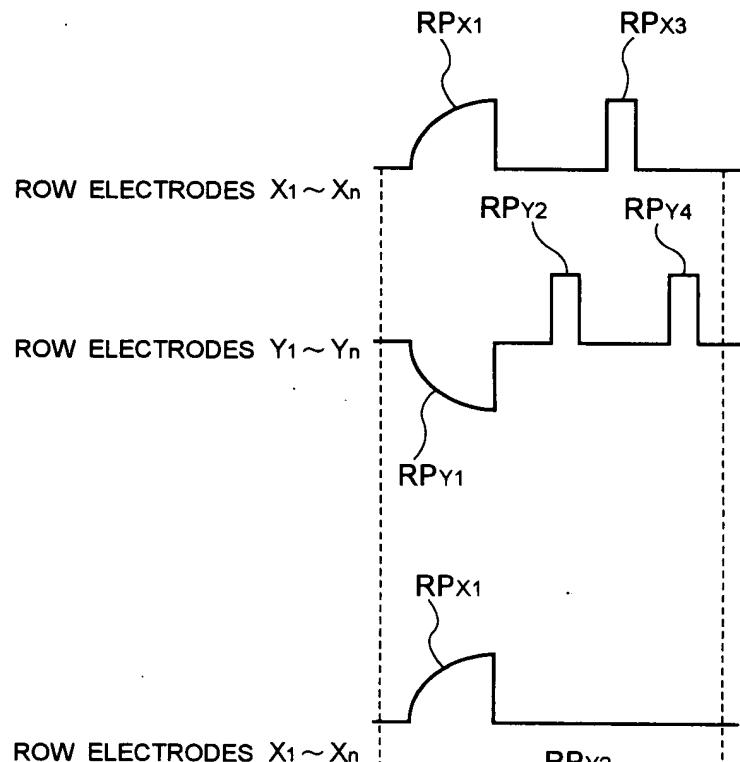
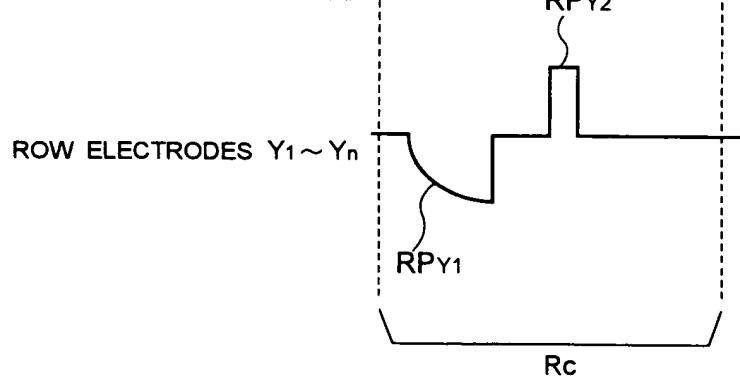


FIG. 8B



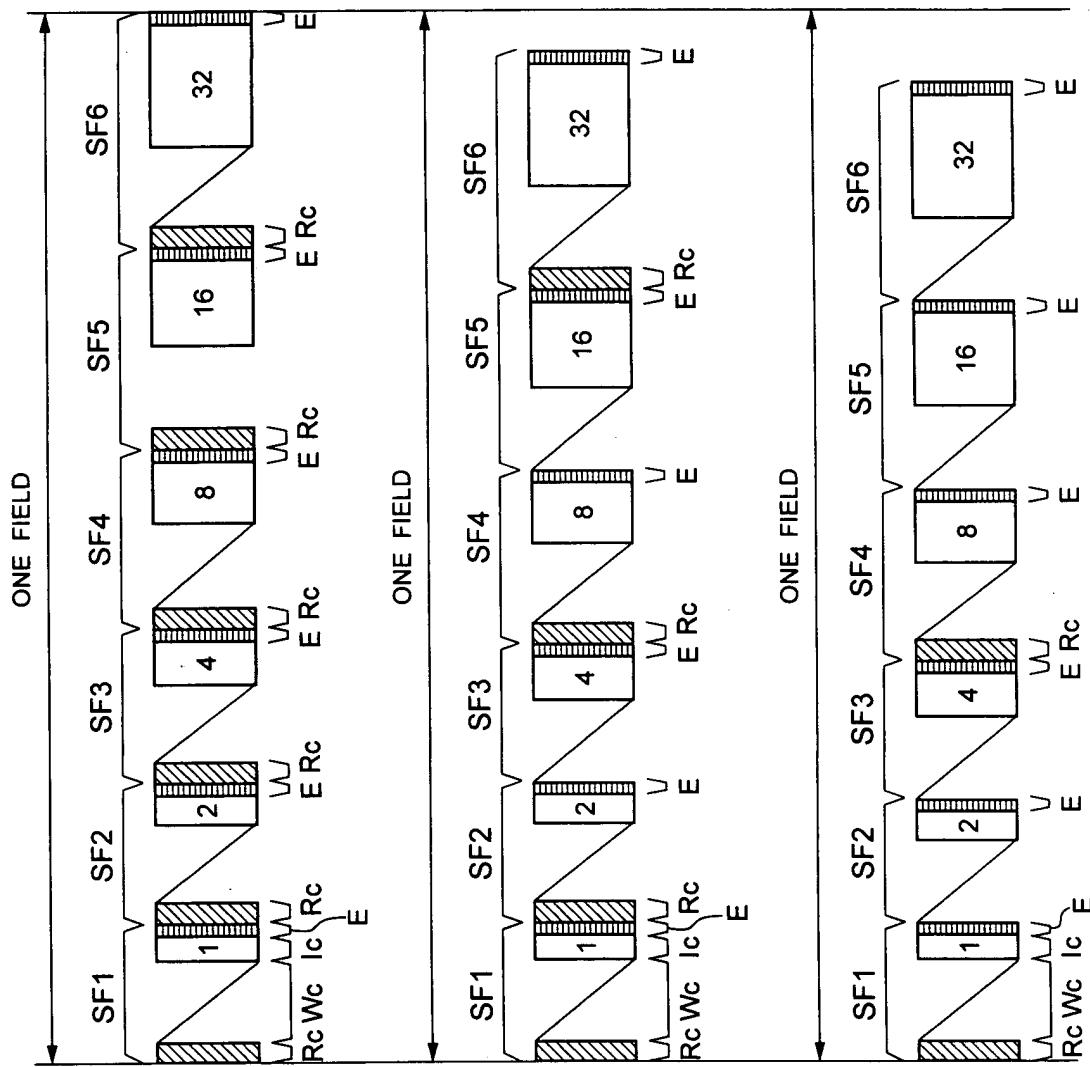


FIG. 9A

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FIG. 10

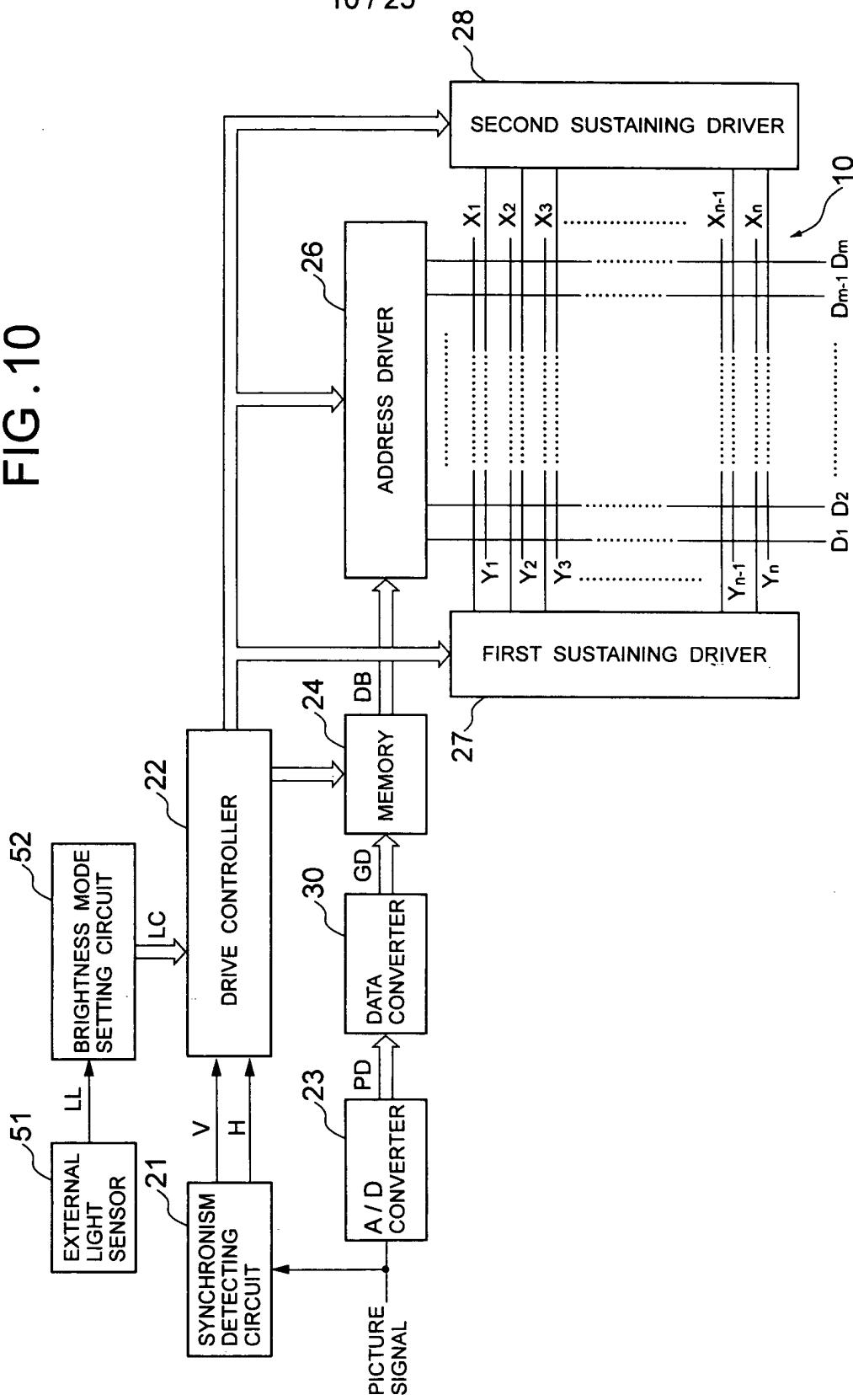


FIG. 11

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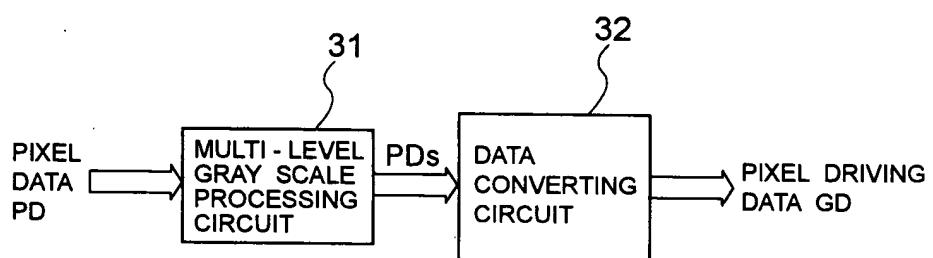


FIG. 12

(SELECTIVE ERASING)

GRAYSCALE LEVELS	DATA CONVERSION TABLE OF DATA CONVERTING CIRCUIT 32								EMISSION DRIVING PATTERN								VISIBLE BRIGHTNESS			
	GD				SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	1	2	3	4
PDS	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4
1	0000	1	0	0	0	0	0	0	●	○	○	○	○	○	○	○	0	0	0	0
2	0001	0	1	0	0	0	0	0	●	○	○	○	○	○	○	○	1	2	3	4
3	0010	0	0	1	0	0	0	0	○	○	○	○	○	○	○	○	7	14	21	28
4	0011	0	0	0	1	0	0	0	○	○	○	○	○	○	○	○	47	94	141	188
5	0100	0	0	0	0	1	0	0	○	○	○	○	○	○	○	○	23	46	69	92
6	0101	0	0	0	0	0	1	0	○	○	○	○	○	○	○	○	82	164	246	328
7	0110	0	0	0	0	0	0	1	○	○	○	○	○	○	○	○	128	256	384	512
8	0111	0	0	0	0	0	0	0	○	○	○	○	○	○	○	○	185	370	555	740
9	1000	0	0	0	0	0	0	0	○	○	○	○	○	○	○	○	255	510	765	1020

BLACK CIRCLE: SUSTAIN DISCHARGE EMISSION
 WHITE CIRCLE: SELECTIVE ERASE DISCHARGE

FIG. 13

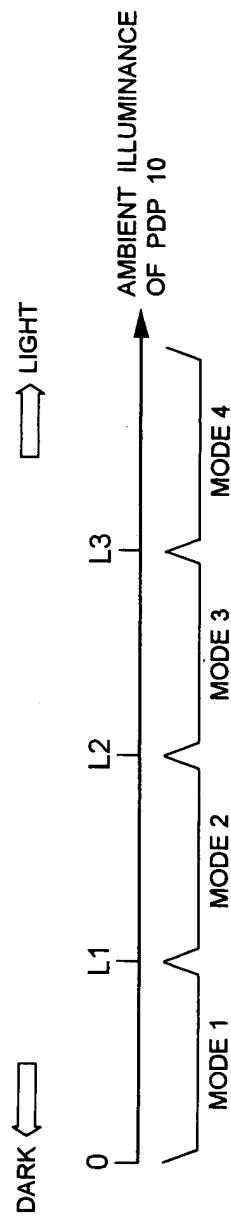


FIG. 14

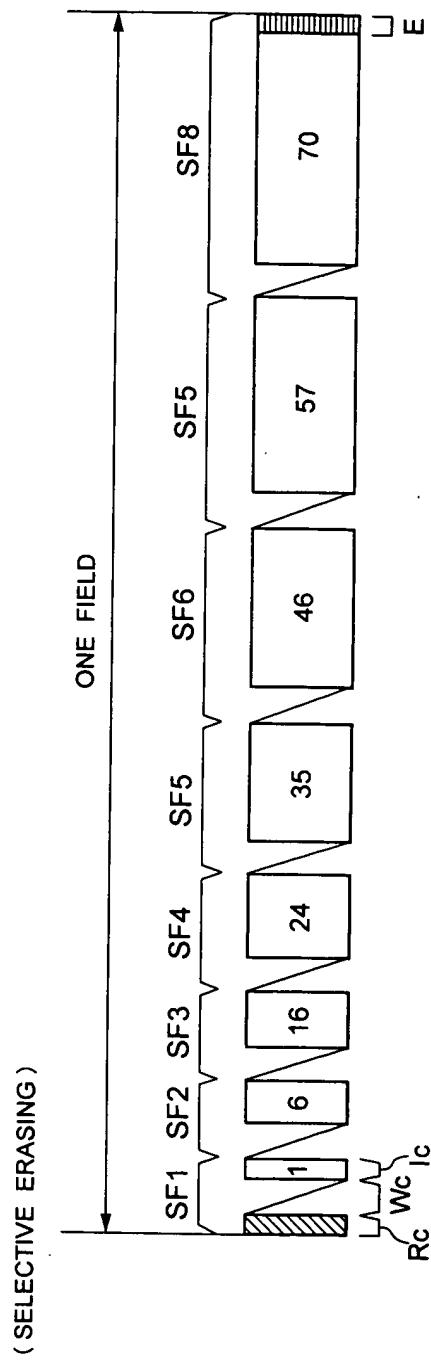


FIG. 15

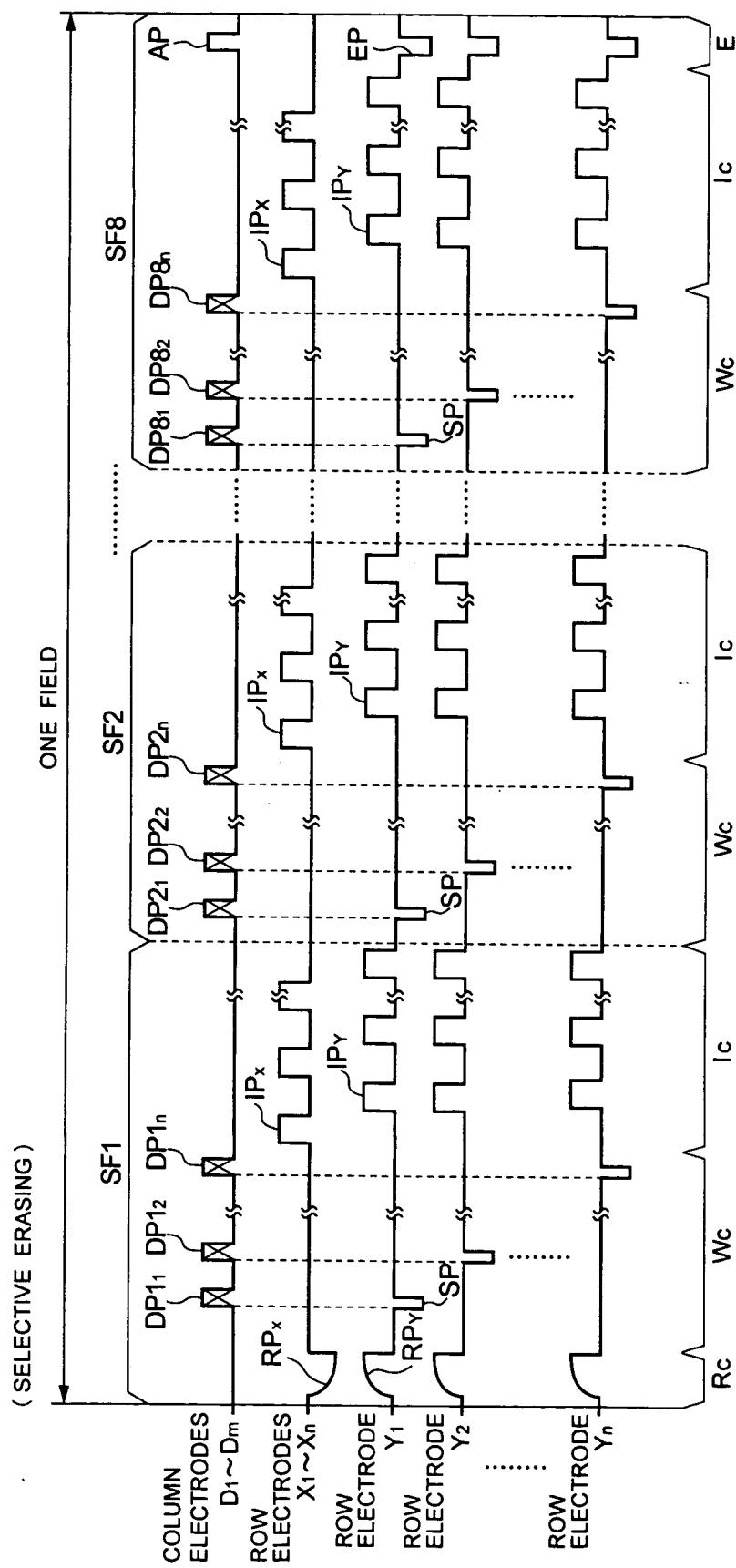


FIG. 16A

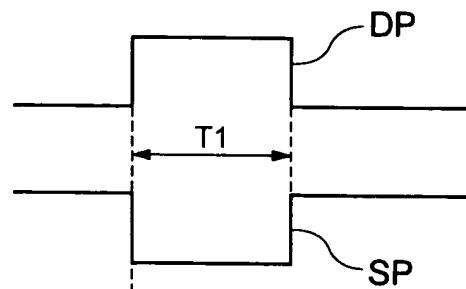


FIG. 16B

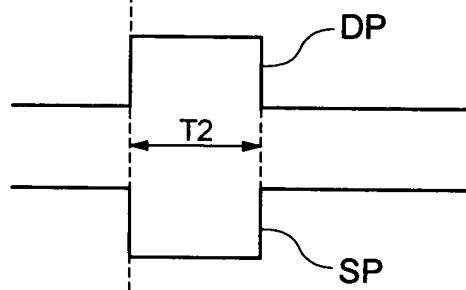


FIG. 16C

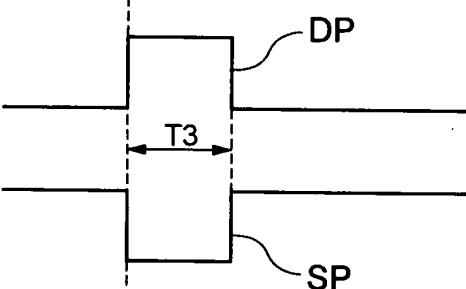
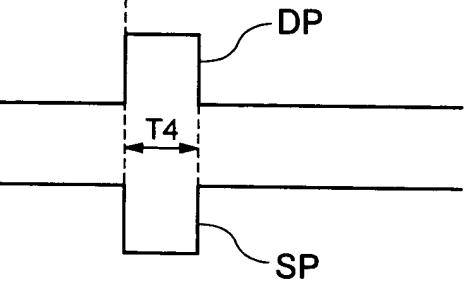


FIG. 16D



$T1 > T2 > T3 > T4$

FIG. 17A

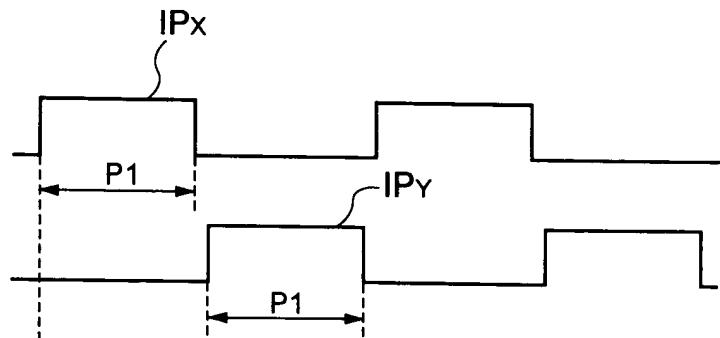


FIG. 17B

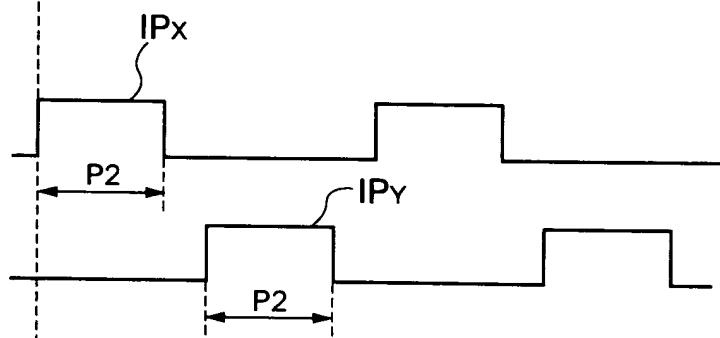


FIG. 17C

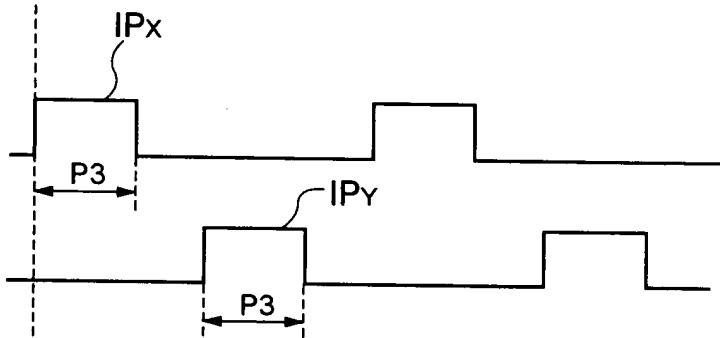
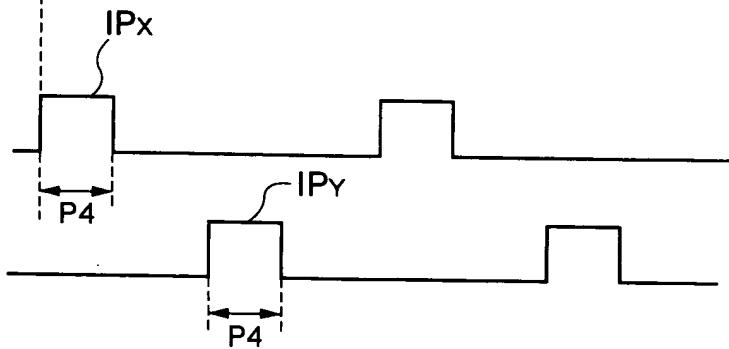


FIG. 17D



$P1 > P2 > P3 > P4$

FIG. 18

LC	SF	SF1	SF2	SF3	SF4	SF5	SF6	SF7	SF8
MODE 1	1	6	16	24	35	46	57	70	LOW
MODE 2	2	12	32	48	70	92	114	140	↔ SCREEN BRIGHTNESS
MODE 3	3	18	48	72	105	138	171	210	HIGH
MODE 4	4	24	64	96	140	184	228	280	

FIG. 19

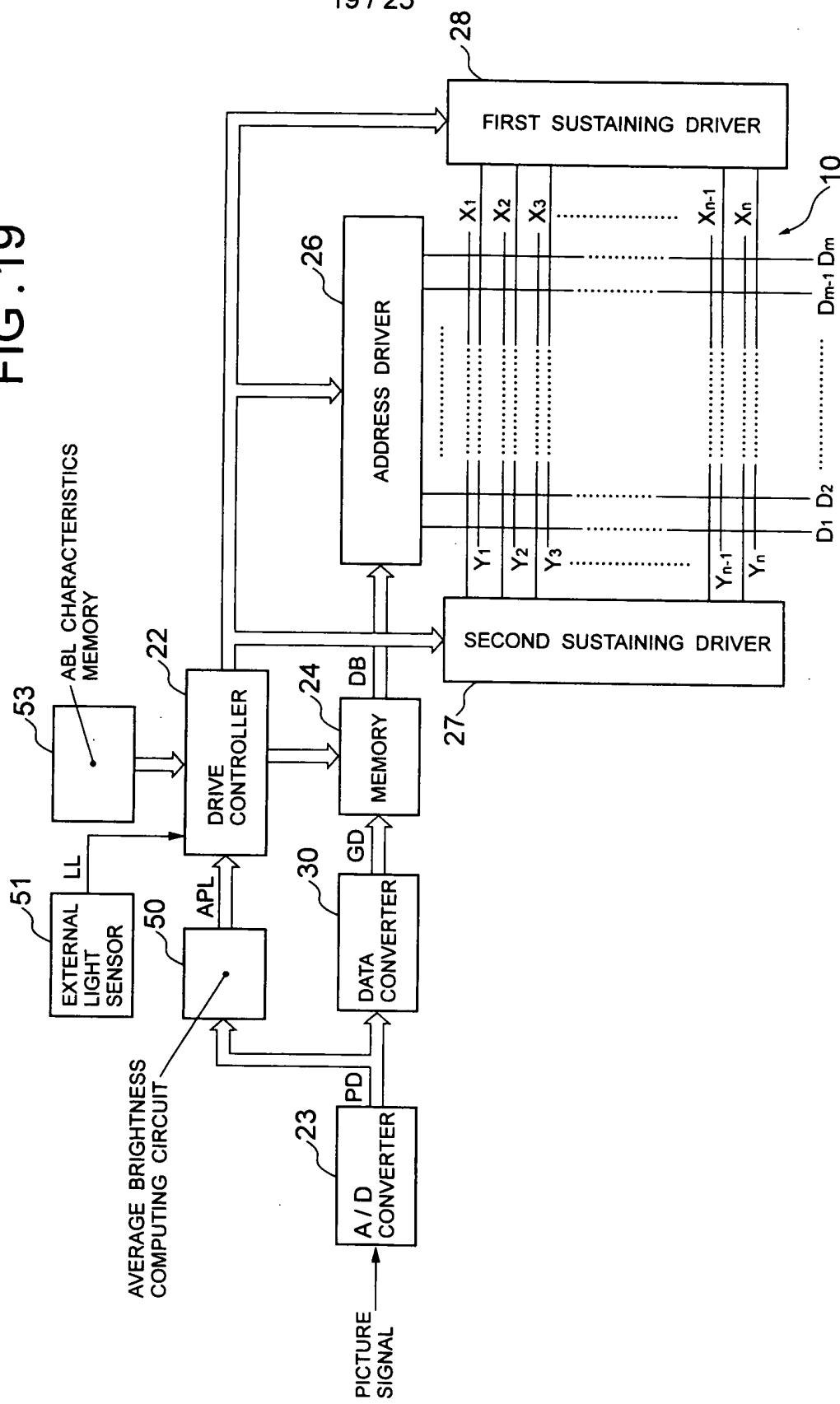


FIG. 20

(SELECTIVE ERASING)

GLAYSCALE LEVELS →

DATA CONVERSION TABLE OF DATA CONVERTING CIRCUIT 32

GD

VISIBLE BRIGHTNESS RATIO

PDs	EMISSION DRIVING PATTERN							
	SF	SF	SF	SF	SF	SF	SF	SF
1	2	3	4	5	6	7	8	
1 0000	1 0 0 0 0 0 0 0	●						0
2 0001	0 1 0 0 0 0 0 0		●					1
3 0010	0 0 1 0 0 0 0 0			●				7
4 0011	0 0 0 1 0 0 0 0				●			23
5 0100	0 0 0 0 1 0 0 0					●		47
6 0101	0 0 0 0 0 1 0 0						●	82
7 0110	0 0 0 0 0 0 1 0						●	128
8 0111	0 0 0 0 0 0 0 1						●	185
9 1000	0 0 0 0 0 0 0 0							255

BLACK CIRCLE: SUSTAIN DISCHARGE EMISSION
 WHITE CIRCLE: SELECTIVE ERASE DISCHARGE

FIG. 21

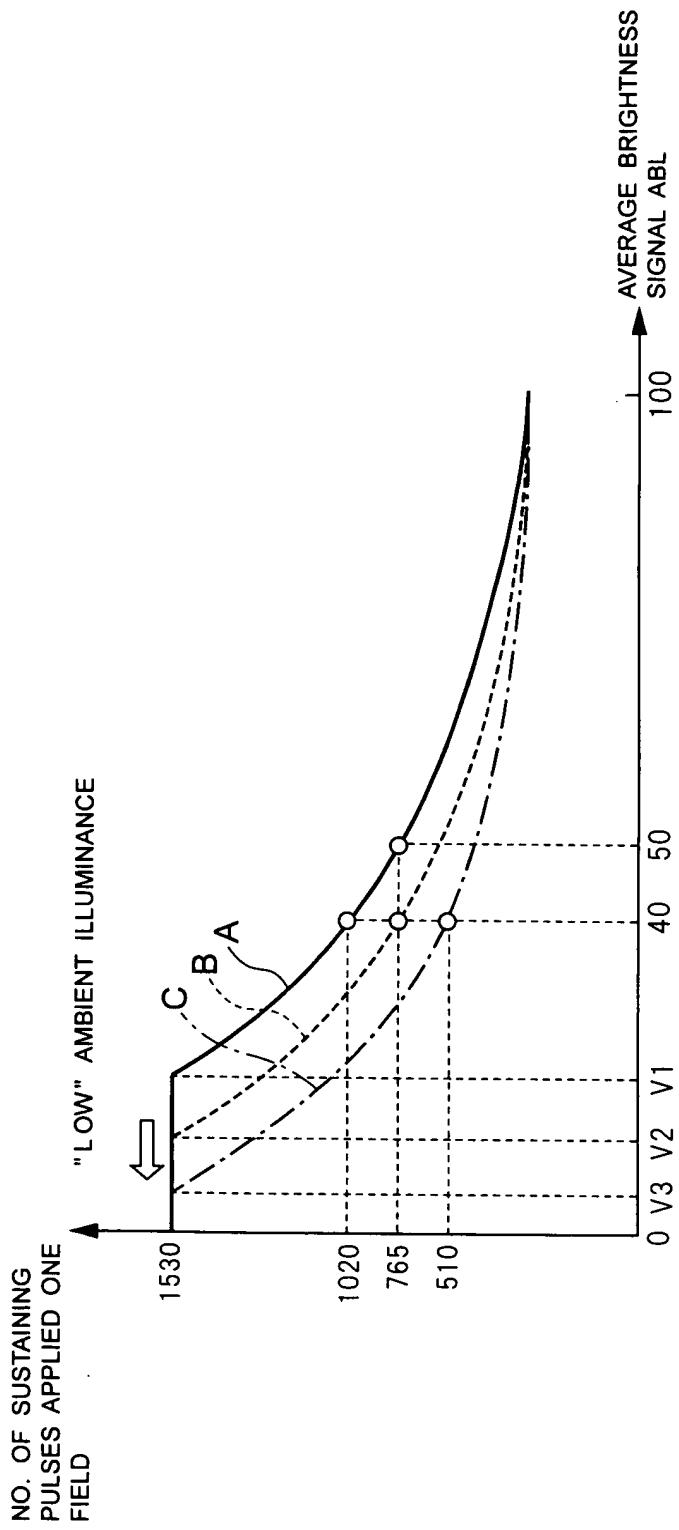


FIG. 22

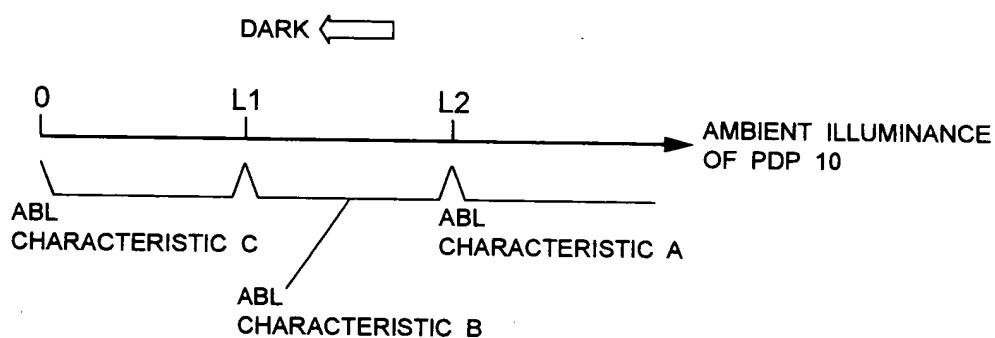


FIG.23

AVERAGE BRIGHTNESS LEVEL OF PICTURE "40"



AMBIENT ILLUMINANCE OF PDP 10	NO. OF SUSTAINING PULSES	SF1	SF2	SF3	SF4	SF5	SF6	SF7	SF8
LOW	510	2	12	32	48	70	92	114	140
INTERMEDIATE	765	3	18	48	72	105	138	171	210
HIGH	1020	4	24	64	96	140	184	228	280

FIG. 24A

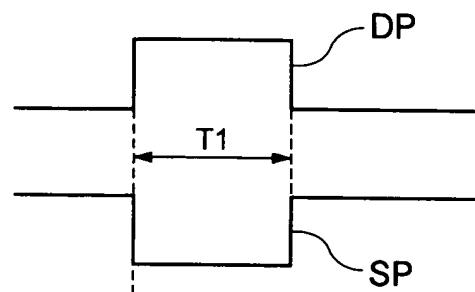


FIG. 24B

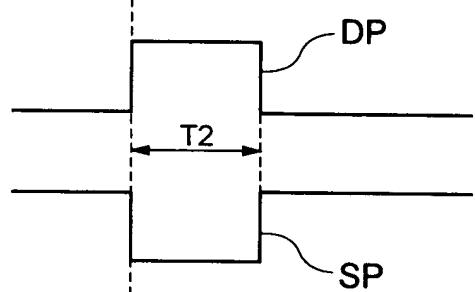
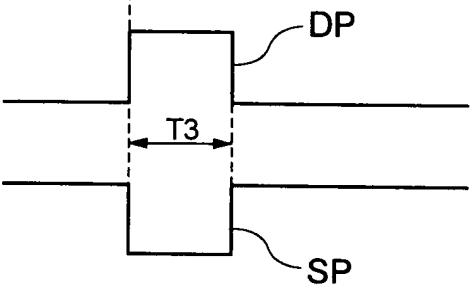


FIG. 24C



$T_1 > T_2 > T_3$

FIG. 25A

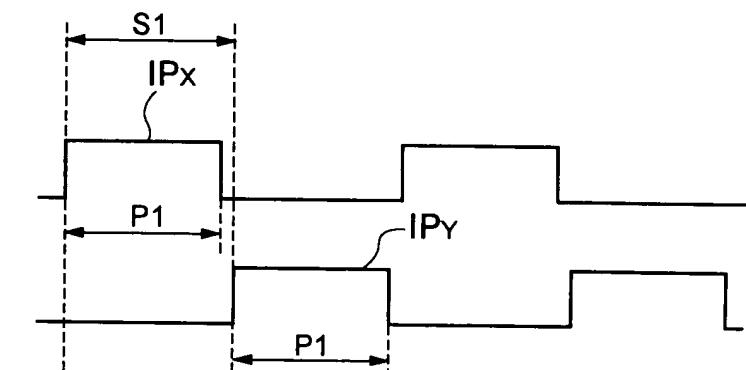


FIG. 25B

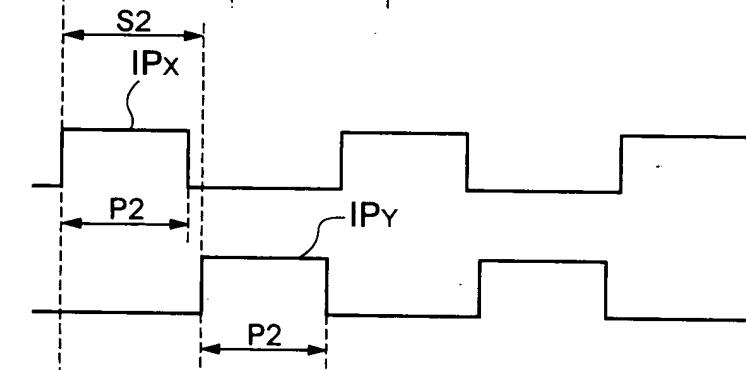
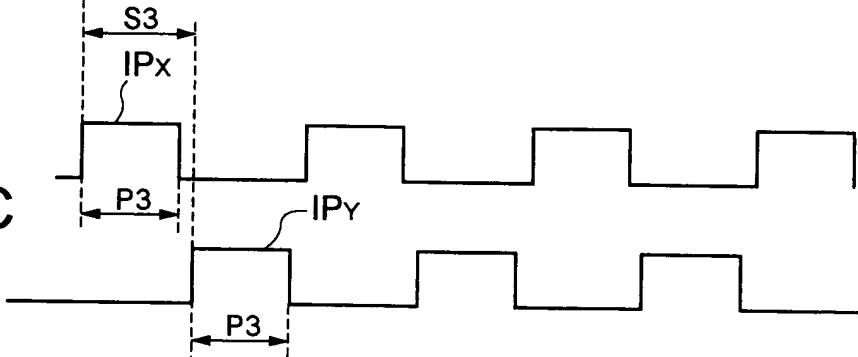


FIG. 25C



$P1 > P2 > P3$
 $S1 > S2 > S3$